

Flexible, water-soluble or water-dispersible coating agent, binder or film former for pharmaceutical formulations, comprises new or known vinyl ester-polyether graft copolymer,

Veröffentlichungsnummer DE19905906 (A1)

Veröffentlichungsdatum: 2000-08-17

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Anmelder: BASF AG [DE]

Klassifikation:

- **Internationale:** A61K9/12; A61K9/20; A61K9/28; A61K9/30; A61K47/34; A61K9/12; A61K9/20; A61K9/28; A61K9/30; A61K47/34; (IPC1-7): C08L31/00; A61K9/30; C08L29/10; C08L59/00; C08L71/00

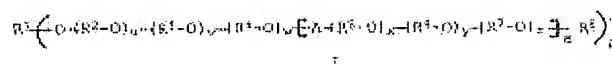
- **Europäische:** A61K9/12; A61K9/20H6D4; A61K9/28H6D; A61K47/34

Anmeldenummer: DE19991005906 19990211

Prioritätsnummer(n): DE19991005906 19990211

Zusammenfassung von DE 19905906 (A1)

The use of polymers (I), obtained by graft polymerization of vinyl esters of aliphatic carboxylic acids onto polyethers (II), as coating agent, binder and/or film-former in pharmaceutical dosage forms is new. Some (I) are new compounds. The use of polymers (I), obtained by polymerization of at least one vinyl ester of a 1-24C aliphatic carboxylic acid in presence of a polyether of formula (II), is claimed as coating agent, binder and/or film-forming auxiliary in pharmaceutical dosage forms. R1 = H, R9, R9C(O)-, R9NHC(O)- or a polyol residue; R8 = H, R9, R9C(O)- or R9NHC(O)-; R2-R7 = (CH2)2, (CH2)3, (CH2)4, CH2CH(Me), CH2CH(Et) or CH2CH(OR10)CH2; R9 = 1-24C alkyl; R10 = H, R9 or R9C(O)-; A = C(O)O, C(O)-B-C(O)O or C(O)NH-B-C(O)O; B = (CH2)t or arylene (optionally substituted); n = 1-8; s = 0-500; t = 1-12; u, x = 1-5000; v, w, y, z = 0-5000.



Independent claims are included for: (a) pharmaceutical dosage forms containing (I); and (b) new polymers (I'), as defined for (I) above provided that: (i) R1 and R8 are other than R9NHC(O)-, A is other than C(O)NH-B-C(O)O and s is other than 0; (ii) R1 and R8 are other than R9NHC(O)-, R2-R4 are other than CH2CH(OR10)CH2, A is other than C(O)NH-B-C(O)O, s = 0 and (I) also contain units derived from at least further monomer (III) selected from 3-8C monoethylenically unsaturated carboxylic acids (or their 1-24C alkyl or 1-24C hydroxyalkyl esters), 1-24C alkyl-vinyl ethers or N-vinyl-lactams; or (iii) (II) is a polyglycerol in which R2 = CH2CH(OR10)CH2; s, v, w = 0; u = 1-2000; and R1 and R8 are other than R9NHC(O).